

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY									
MEASUREMENT SHEET - 1ST & Part Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
Chainage					(m)	(m)	(m)		
From	To								
Item No. 14		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifcaitons and as per the directions of the Engineer-in-charge of the work (GROUND FLOOR)							
		ground floor							
		For Plinth beam							
		Along Grid 1-1	sqm	2	20.85		0.50	20.85	✓
		Along Grid 2-2	sqm	2	20.85		0.50	20.85	✓
		Along Grid 3-3	sqm	2	20.85		0.50	20.85	✓
		Along Grid 4-4	sqm	2	20.85		0.50	20.85	✓
		Along Grid A1-E1	sqm	2	15.10		0.50	15.10	✓
		Along Grid A5-E5	sqm	2	15.10		0.50	15.10	✓
		Between grid 1-2 &4-3	sqm	12	3.30		0.50	19.80	✓
		Between grid 5-6	sqm	4	2.40		0.50	4.80	✓
		Between grid 5-6	sqm	4	3.60		0.50	7.20	✓
		Deduction							
		Columns							
		Along Grid 1-1	sqm	8	0.20		0.50	-0.80	✓
		Along Grid 2-2	sqm	8	0.60		0.50	-2.40	✓
		Along Grid 3-3	sqm	8	0.60		0.50	-2.40	✓
		Along Grid 4-4	sqm	8	0.20		0.50	-0.80	✓
							0.50		
		Along Grid A1-E1	sqm	8	0.60		0.50	-2.40	✓
		Along Grid A5-E5	sqm	10	0.60		0.50	-3.00	✓
		Between grid 1-2 &4-	sqm	6	0.60		0.50	-1.80	✓
		roof beams							
		FB1							
		Along grid 4	Sqm	2	20.85		0.50	20.85	✓
		Along grid 1	Sqm	2	20.85		0.50	20.85	✓
		Between grid 2-3	Sqm	6	20.85		0.50	62.55	✓
		FB2							
		Along grid 2-2	Sqm	2	20.85		0.50	20.85	✓
		Along grid 3-3	Sqm	2	20.85		0.50	20.85	✓
		FB3							
		Along grid A1-E1	Sqm	2	15.10		0.50	15.10	✓

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER



BRUHAT BANGALORE MAHANAGARA PALIKE								
NAME OF WORK : CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY								
MEASUREMENT SHEET - 1ST & Part Bill								
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64						
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity
Chainage								Remarks
From	To							
		FB5						
		Along grid A2-E2	Sqm	2	15.10		0.60	18.12
		Along grid A3-E3	Sqm	2	15.10		0.60	18.12
		Along grid A4-E4	Sqm	2	15.10		0.60	18.12
		FB4						
		Along grid A5-E5	Sqm	2	15.10		0.50	15.10
		FB6						
		staircase beam	Sqm	2	3.3		0.60	3.96
		entrance staircase						
		SB1	Sqm	4	1.8		0.27	1.94
		SB2	Sqm	2	3.4		0.35	2.38
							Total	370.57
							Qty upto 125%	370.57

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ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE										
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY										
MEASUREMENT SHEET - 1ST & Part Bill										
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64								
Measurements		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	
Chainage					(m)	(m)	(m)			
From	To									
Item No. 22		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificalton and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)								
		roof slab								
		bottom of roof slab	sqm	1	20.85	15.10		314.84	←	
		deductions								
		for staircase	sqm	1	3.60	3.30		-11.88	←	
							Total	302.96	←	
		Qty upto 125%							302.96	←


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20/06/2020
**ASSISTANT ENGINEER


ASSISTANT EXECUTIVE ENGINEER



BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY									
MEASUREMENT SHEET - 1ST & Part Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No. 30		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificalton and as per the directions of the Engineer-in-charge of the work							
		Ground Floor Staircase							
		Waist slab bottom	Sqm	2	1.20	2.40		5.76	↗
		mid landing waist slab	Sqm	1	1.20	0.60		0.72	↗
		Waist slab side faces	Sqm	2	2.40		0.31	1.49	↗
			Sqm	1	0.60		0.31	0.19	↗
		landing	Sqm	2	1.20	1.20		2.88	↗
		risers and threads	Sqm	20		1.20	0.15	3.60	↗
		Ground Floor entry staircase							
		Waist slab bottom	Sqm	2	3.60	1.80		12.96	↗
		mid way waist slab bottom	Sqm	1	3.40	1.80		6.12	↗
		Waist slab side faces	Sqm	4	3.60		0.31	4.46	↗
			Sqm	2	1.80		0.31	1.12	↗
		landing	Sqm	1	3.40	1.40		4.76	↗
			Sqm	1	3.60	1.80		6.48	↗
		risers and treads	Sqm	28		1.80	0.15	7.56	↗
		risers and treads	Sqm	7		3.40	0.15	3.57	↗
		stiarcase bank							
			Sqm	2	1.80		1.30	4.68	↗
							Total	66.34	↗
							Qty upto 125%	38.15	↗
							Qty above 125%	28.19	↗

CONTRACTOR

PMC



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY									
MEASUREMENT SHEET - 1ST & Part Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No. 33		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)							
		Chajjas							
		ground floor							
		W	Sqm	11	2.10	0.60		13.86	✓
		Front	Sqm	11	2.10		0.10	2.31	✓
		Sides	Sqm	22	0.60		0.10	1.32	✓
		W1	Sqm	4	1.50	0.60		3.60	✓
		Front	Sqm	4	1.50		0.10	0.60	✓
		Sides	Sqm	8	0.60		0.10	0.48	✓
		V	Sqm	8	0.90	0.60		4.32	✓
		Front	Sqm	8	0.90		0.10	0.72	✓
		Sides	Sqm	16	0.60		0.10	0.96	✓
							Total	28.17	✓
		Qty upto 125%						27.23	✓
		Qty above 125%						0.95	✓

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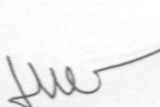
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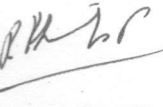
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER



BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK : CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY									
MEASUREMENT SHEET - 1ST & Part Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks	
Chainage									
From To									
Item No.37	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work (GROUND FLOOR)								
	Chajjas								
	ground floor								
	W	Sqm	11	2.10	0.60		13.86		
	W1	Sqm	4	1.50	0.60		3.60		
	V	Sqm	8	0.90	0.60		4.32		
							Total	21.78	


 CONTRACTOR


 PMC




 ASSISTANT ENGINEER


 ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY									
MEASUREMENT SHEET - 1ST & Part Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
					(m)	(m)	(m)		
Chainage									
From	To								
Item No.41		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)							
		Ground Floor							
		Footing	tonne		From calculation sheet			8.04	
		Pedastal	tonne		From calculation sheet			1.92	
		Columns	tonne		From calculation sheet			4.62	
		Plinth beam	tonne		From calculation sheet			1.97	
		Staircase	tonne		From calculation sheet			1.31	
		Beam	tonne		From calculation sheet			5.90	
		Lintel beams	tonne		From calculation sheet			0.87	
		Roof Slab	tonne		From calculation sheet			3.89	
							Total	28.52	
							Qty upto 125%	17.78	
							Qty above 125%	10.75	

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CONTRACTOR

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PMC



[Signature] 30/9 to 21/10/09
ASSISTANT ENGINEER

[Signature] 5/22/09
ASSISTANT EXECUTIVE ENGINEER

Project name		CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY										
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64										
Description		Steel calculations sheet										
MEASUREMENT SHEET - 1ST & Part Bill												
Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
Item No. 16 4/		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)										
1		FOOTING										
		A1										
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30
		A2										
		Main Bars	1	20	22	22	3.40	0	3.40	74.02	2.4661502	182.53
		Main Bars	1	20	19	19	3.70	0	3.70	72.01	2.4661502	177.58
		A3										
		Main Bars	1	20	22	22	3.40	0	3.40	74.02	2.4661502	182.53
		Main Bars	1	20	19	19	3.70	0	3.70	72.01	2.4661502	177.58
		A4										
		Main Bars	1	20	22	22	3.40	0	3.40	74.02	2.4661502	182.53
		Main Bars	1	20	19	19	3.70	0	3.70	72.01	2.4661502	177.58
		A5										
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30
		B1										
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30
		B2										
		Main Bars	1	20	24	24	3.90	0	3.90	93.90	2.4661502	231.57
		Main Bars	1	20	22	22	4.20	0	4.20	91.43	2.4661502	225.48
		B3										
		Main Bars	1	20	24	24	3.90	0	3.90	93.90	2.4661502	231.57
		Main Bars	1	20	22	22	4.20	0	4.20	91.43	2.4661502	225.48
		B4										
		Main Bars	1	20	24	24	3.90	0	3.90	93.90	2.4661502	231.57
		Main Bars	1	20	22	22	4.20	0	4.20	91.43	2.4661502	225.48
		B5										
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30
		C1										
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30
		C5										
		Main Bars	2	20	19	37	2.90	0	2.90	108.42	2.4661502	267.37
		Main Bars	2	20	16	33	3.20	0	3.20	104.86	2.4661502	258.60
		D1										
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30
		D2										
		Main Bars	1	20	24	24	3.90	0	3.90	93.90	2.4661502	231.57
		Main Bars	1	20	22	22	4.20	0	4.20	91.43	2.4661502	225.48
		D3										
		Main Bars	1	20	24	24	3.90	0	3.90	93.90	2.4661502	231.57
		Main Bars	1	20	22	22	4.20	0	4.20	91.43	2.4661502	225.48

CONTRACTOR

PMC



ASSISTANT ENGINEER 30/8/2019

ASSISTANT EXECUTIVE ENGINEER 5/2/19

Project name		CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY											
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64											
Description		Steel calculations sheet											
MEASUREMENT SHEET - 1ST & Part Bill													
Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight	
Chainage				mm			m	m	m	m	kg/m	Kg's	
From	To												
		D4											
		Main Bars	1	20	24	24	3.90	0	3.90	93.90	2.4661502	231.57	
		Main Bars	1	20	22	22	4.20	0	4.20	91.43	2.4661502	225.48	
		D5											
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68	
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30	
		E1											
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68	
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30	
		E2											
		Main Bars	1	20	22	22	3.40	0	3.40	74.02	2.4661502	182.53	
		Main Bars	1	20	19	19	3.70	0	3.70	72.01	2.4661502	177.58	
		E3											
		Main Bars	1	20	22	22	3.40	0	3.40	74.02	2.4661502	182.53	
		Main Bars	1	20	19	19	3.70	0	3.70	72.01	2.4661502	177.58	
		E4											
		Main Bars	1	20	22	22	3.40	0	3.40	74.02	2.4661502	182.53	
		Main Bars	1	20	19	19	3.70	0	3.70	72.01	2.4661502	177.58	
		E5											
		Main Bars	1	20	19	19	2.90	0	2.90	54.21	2.4661502	133.68	
		Main Bars	1	20	16	16	3.20	0	3.20	52.43	2.4661502	129.30	
		B6											
		Main Bars	1	16	12	12	2.20	0	2.20	25.89	1.5783361	40.87	
		Main Bars	1	16	12	12	2.20	0	2.20	25.89	1.5783361	40.87	
		C6											
		Main Bars	1	16	12	12	2.20	0	2.20	25.89	1.5783361	40.87	
		Main Bars	1	16	12	12	2.20	0	2.20	25.89	1.5783361	40.87	
		D6											
		Main Bars	1	16	12	12	2.20	0	2.20	25.89	1.5783361	40.87	
		Main Bars	1	16	12	12	2.20	0	2.20	25.89	1.5783361	40.87	
										Sub-total	8041.06		

CONTRACTOR

PMC



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Project name	CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY
Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64
Description	Steel calculations sheet

MEASUREMENT SHEET - 1ST & Part Bill

Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From	To										
2											
	Pedestal										
	A1	1	16	14	14	2.80	0.00	2.80	39.20	1.5783361	61.87
	Square Rings	1	16	12	12	2.20	0.00	2.20	26.84	1.5783361	42.36
	A2	1	16	14	14	2.42	0.00	2.42	33.88	1.5783361	53.47
	Square Rings		16	11	11	2.60	0.00	2.60	27.77	1.5783361	43.83
	A3	1	16	14	14	2.50	0.00	2.50	35.00	1.5783361	55.24
	Square Rings	1	16	11	11	2.60	0.00	2.60	28.60	1.5783361	45.14
	A4	1	16	14	14	0.95	0.00	0.95	13.30	1.5783361	20.99
	Square Rings		16	5	5	2.60	0.00	2.60	12.48	1.5783361	19.70
	A5	1	16	14	14	2.26	0.00	2.26	31.64	1.5783361	49.94
	Square Rings		16	10	10	2.20	0.00	2.20	22.09	1.5783361	34.86
	B1	1	16	14	14	2.95	0.00	2.95	41.30	1.5783361	65.19
	Square Rings	1	16	13	13	2.20	0.00	2.20	28.16	1.5783361	44.45
	B2	1	16	14	14	2.21	0.00	2.21	30.94	1.5783361	48.83
	Square Rings		16	10	10	2.60	0.00	2.60	25.58	1.5783361	40.38
	B3	1	16	14	14	2.23	0.00	2.23	31.22	1.5783361	49.28
	Square Rings	1	16	10	10	2.60	0.00	2.60	25.79	1.5783361	40.71
	B4	1	16	14	14	0.80	0.00	0.80	11.20	1.5783361	17.68
	Square Rings		16	4	4	2.60	0.00	2.60	10.92	1.5783361	17.24
	B5	1	16	14	14	1.96	0.00	1.96	27.44	1.5783361	43.31
	Square Rings		16	9	9	2.20	0.00	2.20	19.45	1.5783361	30.70
	C1	1	16	14	14	2.45	0.00	2.45	34.30	1.5783361	54.14
	Square Rings	1	16	11	11	2.20	0.00	2.20	23.76	1.5783361	37.50
	C2	2	16	14	28	2.00	0.00	2.00	56.00	1.5783361	88.39
	Square Rings		16	10	20	2.20	0.00	2.20	43.12	1.5783361	68.06
	D1	1	16	14	14	2.40	0.00	2.40	33.60	1.5783361	53.03
	Square Rings	1	16	11	11	2.20	0.00	2.20	23.32	1.5783361	36.81
	D2	1	16	14	14	2.35	0.00	2.35	32.90	1.5783361	51.93
	Square Rings		16	10	10	2.60	0.00	2.60	27.04	1.5783361	42.68
	D3	1	16	14	14	1.54	0.00	1.54	21.56	1.5783361	34.03
	Square Rings		16	7	7	2.60	0.00	2.60	18.62	1.5783361	29.38
	D4	1	16	14	14	1.55	0.00	1.55	21.70	1.5783361	34.25
	Square Rings		16	7	7	2.60	0.00	2.60	18.72	1.5783361	29.55
	D5	1	16	14	14	1.75	0.00	1.75	24.50	1.5783361	38.67
	Square Rings		16	8	8	2.20	0.00	2.20	17.60	1.5783361	27.78
	E1	1	16	14	14	2.32	0.00	2.32	32.48	1.5783361	51.26
	Square Rings	1	16	10	10	2.20	0.00	2.20	22.62	1.5783361	35.70
	E2	1	16	14	14	1.50	0.00	1.50	21.00	1.5783361	33.15
	Square Rings		16	7	7	2.60	0.00	2.60	18.20	1.5783361	28.73
	E3	1	16	14	14	1.85	0.00	1.85	25.90	1.5783361	40.88
	Square Rings		16	8	8	2.60	0.00	2.60	21.84	1.5783361	34.47
	E4	1	16	14	14	1.55	0.00	1.55	21.70	1.5783361	34.25
	Square Rings		16	7	7	2.60	0.00	2.60	18.72	1.5783361	29.55
	E5	1	16	14	14	0.60	0.00	0.60	8.40	1.5783361	13.26
	Square Rings		16	3	3	2.20	0.00	2.20	7.48	1.5783361	11.81
	B6	1	16	12	12	1.10	0.00	1.10	13.20	1.5783361	20.83
	Rings		16	5	5	2.00	0.00	2.00	10.80	1.5783361	17.05
	C6	2	16	12	24	1.10	0.00	1.10	26.40	1.5783361	41.67
	Rings		16	5	11	2.00	0.00	2.00	21.76	1.5783361	34.34

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER



Project name	CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY										
Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64										
Description	Steel calculations sheet										
MEASUREMENT SHEET - 1ST & Part Bill											
Measurements	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From	To										
	D6	1	16	12	12	1.10	0.00	1.10	13.20	1.5783361	20.83
	Rings		16	5	5	2.00	0.00	2.00	10.80	1.5783361	17.05
										Sub-total	1916.15

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER



Project name		CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY										
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64										
Description		Steel calculations sheet										
MEASUREMENT SHEET - 1ST & Part Bill												
Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
3		COLUMNS										
		UPTO G.F ROOF										
		A1	1	16	10	10	5.80	0.00	5.80	58.00	1.5783361	91.54
		Square Rings	1	10	30	30	1.40	0.00	1.40	42.00	0.6165376	25.89
		Square Rings	1	10	30	30	0.90	0.00	0.90	27.00	0.6165376	16.65
		A2	1	16	10	10	5.42	0.00	5.42	54.20	1.5783361	85.55
		Square Rings		10	28	28	1.40	0.00	1.40	39.34	0.6165376	24.25
		Square Rings		10	28	28	0.90	0.00	0.90	25.29	0.6165376	15.59
		A3	1	16	10	10	5.50	0.00	5.50	55.00	1.5783361	86.81
		Square Rings	1	10	29	29	1.40	0.00	1.40	39.90	0.6165376	24.60
		Square Rings	1	10	29	29	0.90	0.00	0.90	25.65	0.6165376	15.81
		A4	1	16	10	10	3.95	0.00	3.95	39.50	1.5783361	62.34
		Square Rings		10	21	21	1.40	0.00	1.40	29.05	0.6165376	17.91
		Square Rings		10	21	21	0.90	0.00	0.90	18.68	0.6165376	11.51
		A5	1	16	10	10	5.26	0.00	5.26	52.60	1.5783361	83.02
		Square Rings		10	27	27	1.40	0.00	1.40	38.22	0.6165376	23.56
		Square Rings		10	27	27	0.90	0.00	0.90	24.57	0.6165376	15.15
									0.00			
		B1	1	16	10	10	5.95	0.00	5.95	59.50	1.5783361	93.91
		Square Rings	1	10	31	31	1.40	0.00	1.40	43.05	0.6165376	26.54
		Square Rings	1	10	31	31	0.90	0.00	0.90	27.68	0.6165376	17.06
		B2	1	20	12	12	5.95	0.00	5.95	71.40	2.4661502	176.08
		Square Rings		10	31	31	1.60	0.00	1.60	49.20	0.6165376	30.33
		Square Rings		10	31	31	1.00	0.00	1.00	30.75	0.6165376	18.96
		B3	1	20	12	12	5.23	0.00	5.23	62.76	2.4661502	154.78
		Square Rings	1	10	27	27	1.60	0.00	1.60	43.44	0.6165376	26.78
		Square Rings	1	10	27	27	1.00	0.00	1.00	27.15	0.6165376	16.74
		B4	1	20	12	12	3.78	0.00	3.78	45.36	2.4661502	111.86
		Square Rings		10	20	20	1.60	0.00	1.60	31.84	0.6165376	19.63
		Square Rings		10	20	20	1.00	0.00	1.00	19.90	0.6165376	12.27
		B5	1	16	10	10	4.96	0.00	4.96	49.60	1.5783361	78.29
		Square Rings		10	26	26	1.40	0.00	1.40	36.12	0.6165376	22.27
		Square Rings		10	26	26	0.90	0.00	0.90	23.22	0.6165376	14.32
									0.00			
		C1	1	16	10	10	5.45	0.00	5.45	54.50	1.5783361	86.02
		Square Rings		10	28	28	1.40	0.00	1.40	39.55	0.6165376	24.38
		Square Rings		10	28	28	0.90	0.00	0.90	25.43	0.6165376	15.68
		C5	2	16	10	20	5.00	0.00	5.00	100.00	1.5783361	157.83
		Square Rings		10	26	52	1.40	0.00	1.40	72.80	0.6165376	44.88
		Square Rings		10	26	26	0.90	0.00	0.90	23.40	0.6165376	14.43
									0.00			
		D1	1	16	10	10	5.40	0.00	5.40	54.00	1.5783361	85.23
		Square Rings	1	10	28	28	1.40	0.00	1.40	39.20	0.6165376	24.17
		Square Rings	1	10	28	28	0.90	0.00	0.90	25.20	0.6165376	15.54
		D2	1	20	12	12	5.35	0.00	5.35	64.20	2.4661502	158.33
		Square Rings		10	28	28	1.60	0.00	1.60	44.40	0.6165376	27.37
		Square Rings		10	28	28	1.00	0.00	1.00	27.75	0.6165376	17.11
		D3	1	20	12	12	4.54	0.00	4.54	54.48	2.4661502	134.36
		Square Rings	1	10	24	24	1.60	0.00	1.60	37.92	0.6165376	23.38
		Square Rings	1	10	24	24	1.00	0.00	1.00	23.70	0.6165376	14.61
		D4	1	20	12	12	4.55	0.00	4.55	54.60	2.4661502	134.65
		Square Rings		10	24	24	1.60	0.00	1.60	38.00	0.6165376	23.43
		Square Rings		10	24	24	1.00	0.00	1.00	23.75	0.6165376	14.64
		D5	1	16	10	10	4.75	0.00	4.75	47.50	1.5783361	74.97
		Square Rings		10	25	25	1.40	0.00	1.40	34.65	0.6165376	21.36

CONTRACTOR

PMC



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Project name		CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY											
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64											
Description		Steel calculations sheet											
MEASUREMENT SHEET - 1ST & Part Bill													
Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight	
Chainage				mm			m	m	m	m	kg/m	Kg's	
From	To												
		Square Rings		10	25	25	0.90	0.00	0.90	22.28	0.6165376	13.73	
									0.00				
		E1	1	16	10	10	5.32	0.00	5.32	53.20	1.5783361	83.97	
		Square Rings	1	10	28	28	1.40	0.00	1.40	38.64	0.6165376	23.82	
		Square Rings	1	10	28	28	0.90	0.00	0.90	24.84	0.6165376	15.31	
		E2	1	16	10	10	4.50	0.00	4.50	45.00	1.5783361	71.03	
		Square Rings		10	24	24	1.40	0.00	1.40	32.90	0.6165376	20.28	
		Square Rings		10	24	24	0.90	0.00	0.90	21.15	0.6165376	13.04	
		E3	1	16	10	10	4.85	0.00	4.85	48.50	1.5783361	76.55	
		Square Rings	1	10	25	25	1.40	0.00	1.40	35.35	0.6165376	21.79	
		Square Rings	1	10	25	25	0.90	0.00	0.90	22.73	0.6165376	14.01	
		E4	1	16	10	10	4.57	0.00	4.57	45.70	1.5783361	72.13	
		Square Rings		10	24	24	1.40	0.00	1.40	33.39	0.6165376	20.59	
		Square Rings		10	24	24	0.90	0.00	0.90	21.47	0.6165376	13.23	
		E5	1	16	10	10	3.60	0.00	3.60	36.00	1.5783361	56.82	
		Square Rings		10	19	19	1.40	0.00	1.40	26.60	0.6165376	16.40	
		Square Rings		10	19	19	0.90	0.00	0.90	17.10	0.6165376	10.54	
		B6	1	16	10	10	4.10	0.00	4.10	41.00	1.5783361	64.71	
		Circular Rings		10	22	22	31.42	0.00	31.42	675.53	0.6165376	416.49	
		C6	2	16	10	20	4.10	0.00	4.10	82.00	1.5783361	129.42	
		Circular Rings		10	22	22	31.42	0.00	31.42	675.53	0.6165376	416.49	
		D6	1	16	10	10	4.10	0.00	4.10	41.00	1.5783361	64.71	
		Circular Rings		10	24	24	31.42	0.00	31.42	738.37	0.6165376	455.23	
												Sub-total	4622.71

CONTRACTOR

PMC



ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Project name		CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY										
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64										
Description		Steel calculations sheet										
MEASUREMENT SHEET - 1ST & Part Bill												
Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
4		PLINTH BEAM										
		PB1	4									
		PB1 ALONG I TO 4										
		top bars		16	2	8	21.05		21.05	168.43	1.5783361	265.84
		top extra bars		16	2	8	9.80		9.80	78.40	1.5783361	123.74
		bottom bars		16	2	8	21.05		21.05	168.43	1.5783361	265.84
		bottom extra bars		16	2	8	16.45		16.45	131.63	1.5783361	207.76
		stirrups @ 150 C/C		8	144	565	1.40		1.40	791.62	0.394584	312.36
		PB2	1									
		PB2 b/w 1-4										
		top bars		16	2	2	15.60		15.60	31.20	1.5783361	49.24
		top extra bars		16	2	2	12.10		12.10	24.20	1.5783361	38.20
		bottom bars		16	2	2	15.60		15.60	31.20	1.5783361	49.24
		bottom extra bars		16	2	2	5.70		5.70	11.40	1.5783361	17.99
		stirrups @ 150 C/C		8	98	98	1.40		1.40	137.67	0.394584	54.32
		PB3										
		PB3 b/w 4-3 & 2-1	8									
		top bars		16	3	24	3.80		3.80	91.20	1.5783361	143.94
		bottom bars		16	3	24	3.80		3.80	91.20	1.5783361	143.94
		stirrups		8	26	211	1.40		1.40	294.93	0.394584	116.38
		PB3 b/w 2-3	1									
		top bars		16	3	3	8.00		8.00	24.00	1.5783361	37.88
		bottom bars		16	3	3	8.00		8.00	24.00	1.5783361	37.88
		stirrups @ 150 C/C		8	54	54	1.40		1.40	76.07	0.394584	30.01
		PB3 btw 5-6	2									
		top bars		16	3	3	2.40		2.40	7.20	1.5783361	11.36
		bottom bars		16	3	3	2.40		2.40	7.20	1.5783361	11.36
		stirrups @ 150 C/C		8	17	17	1.40		1.40	23.80	0.394584	= 9.39
		PB3 btw 5-6	2									
		top bars		16	3	3	3.60		3.60	10.80	1.5783361	17.05
		bottom bars		16	3	3	3.60		3.60	10.80	1.5783361	17.05
		stirrups @ 150 C/C		8	25	25	1.40		1.40	35.00	0.394584	13.81

CONTRACTOR *[Signature]* PMC *[Signature]* RASA

PMIC



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30/8/20 21/04
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